

Mini slide DGSL-25-50-Y3A

Part number: 544050

FESTO



Data sheet

| Feature | Value |
|---|--|
| Stroke | 50 mm |
| Adjustable end position range/length front | 56 mm |
| Adjustable end position range/length rear | 51.5 mm |
| Piston diameter | 32 mm |
| Operating mode, drive unit | Yoke |
| Cushioning | Progressive shock absorber at both ends |
| Mounting position | optional |
| Guide | Ball bearing cage guide |
| Design | Yoke Piston Piston rod Slide |
| Position detection | Via proximity switch |
| Operating pressure | 0.1 MPa...0.8 MPa 1 bar...8 bar |
| Max. speed | 0.8 m/s |
| Repetition accuracy | ±0.01 mm |
| Mode of operation | Double-acting |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1 |
| Ambient temperature | 0 °C...60 °C |
| Impact energy in end positions | 10 Nm |
| Cushioning length | 20 mm |
| Max. force F _y | 4650 N |
| Max. force F _z | 4650 N |
| Max. moment M _x | 120 Nm |
| Max. moment M _y | 60 Nm |
| Max. moment M _z | 60 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 415 N |

| Feature | Value |
|--|----------------------------|
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 483 N |
| Moving mass | 1244 g |
| Product weight | 3293 g |
| alternative connections | See product drawing |
| Type of mounting | With through-hole |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | HNBR |
| Material housing | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |